



Joint Committee on Tactical Shelters

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PdM CSE

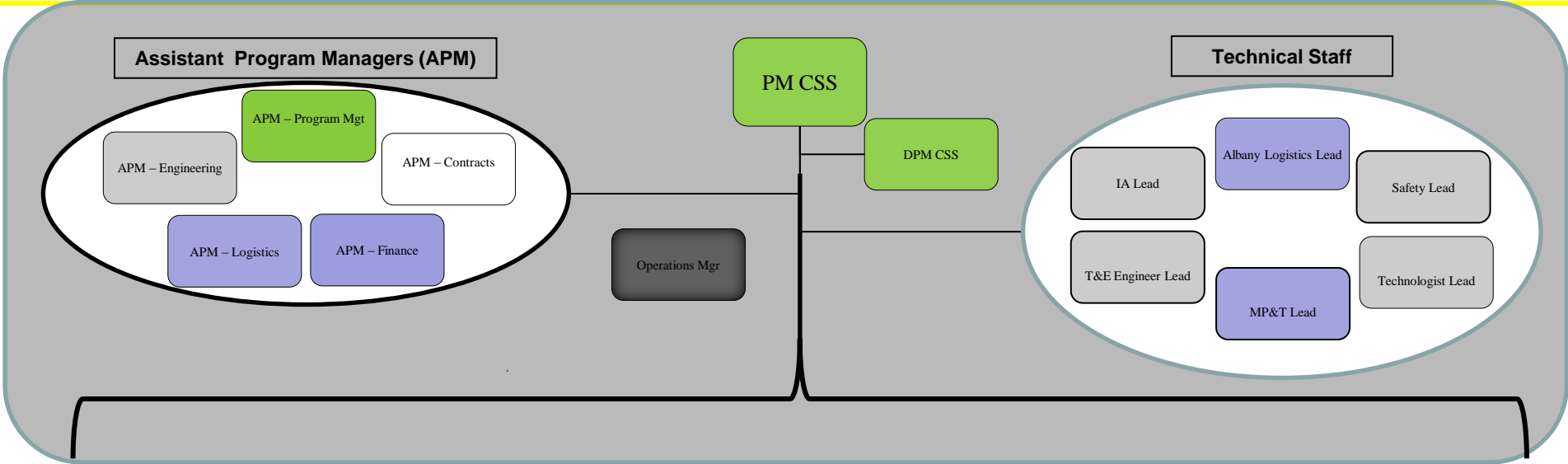


Agenda

- Organization
- R&D FYDP
- Concept of Operations
- Marine Air Ground Task Force (MAGTF)
- View on Acquisition
- Communications Electronic Equipment Maintenance Complex (CEEMC)
- Emerging initiatives



Program Management Combat Support Systems (PMM-115)



PMM-115.1
PdM Combat Support Equipment



PMM-115.2
PdM Engineer Systems



PMM-115.3
PdM Expeditionary Power Systems



PMM-115.4
PdM Test Measurement & Diagnostic Equipment





R&D FYDP

FAMILY OF SHELTERS AND SHELTERS EQUIPMENT R&D FYDP POSTURE

FY14	FY15	FY16	FY17	FY18	FY19
Explore new joint concepts with JOCOTAS	Explore new joint concepts with JOCOTAS	Explore new joint concepts with JOCOTAS	Explore new joint concepts with JOCOTAS	Explore new joint concepts with JOCOTAS	Explore new joint concepts with JOCOTAS
R&D to expand legacy rigid shelter in to an expandable shelter	R&D to expand legacy rigid shelter in to an expandable shelter	Use composites in Rigid-shelter design.	Use composites in Rigid-shelter design.	Use composites in Rigid-shelter design.	
E2 efficiencies	E2 efficiencies	E2 efficiencies			
Testing a SHC60K heater for use in an Arctic shelter	Testing for single-source heater	Testing for single-source heater			
	Using CEEMC as an O/R	Using CEEMC as an O/R	Using CEEMC as an O/R		



Concept of Operations

- **OPERATIONAL REQUIREMENTS DOCUMENT FOR FAMILY OF TACTICAL SOFT SHELTERS (NO.LOG 216.3.1)**
- Operational Concept. The Family of Tactical Soft Shelters (FTSS) will provide protection from natural environments to the Fleet Marine Force for use in varied mission roles (i.e., Command and Control, Administration, Billeting, Supply, Medical, Dental and Messing); and will be compatible with existing Mobile Electric Power, Heating, Vitalization, and Air Conditioning, and camouflage systems. The FTSS will be included in the Unit Table of Equipment Requirement and will replace the Command Post (CP) and General Purpose (GP), Medium tents.
- Employment. The projected percentage of employment in the various climates (as defined by Army Regulation (AR) 70-38) is: hot 15%; basic, 80%; cold, 4%; severe cold, 1%.
- Environmental Support. The FTSS shall incorporate energy efficiency advancements to the maximum extent possible. The CP and GP replacement systems shall have an R value of two (threshold).



The Marine Air-Ground Task Force (MAGTF)



- America's Expeditionary Force in Readiness: sea-based and mobile.
- Task organized. Systems must be flexible. The expeditionary ethos drives the way we organize, train, develop and equip our forces. Added "utility" is a plus.
- Lighten the MAGTF through initiatives in developing, fielding, and integrating equipment, combat gear and systems.
- Reducing energy consumption (fuel and power) reduces risk to Marines!



View On Acquisition

- Always looking for that fast moving train...
- COTS approach
- Short acquisition time from contract award to FOC
- Form, Fit and Function are the bottom line



Communication Electronics Equipment Maintenance Complex (CEEMC) S-786/G, 3-1 Expandable Shelter



Capabilities Description

- Provide the warfighter with a Rigid Wall Shelter that is:
 - durable
 - expandable
 - energy efficient
 - interchangeable internal appointment modules
- Provide deployed Marine Forces with a full spectrum forward maintenance capability to repair and maintain mission essential communication electronics equipment.

Program Overview

- SON: 21 Apr 08
- Acquisition Category: AAP
- AAO: 119
- Program Initiation: 14 Apr 2009
- Last MS date: 03 Aug 2010
- Total program cost: \$55.7M
- Unit Cost: New: \$480K Refurb \$350K
- Fully Funded: Yes
- Contract Type: MIPR/FFP approved
- Contract Award Date: Multiple Award Dates

Schedule

EVENT	FY09	FY10	FY11
MS C	▲		
CONTRACT AWARD	▲		
FD		▲	
IOC			▲



Emerging Initiatives

- New initiatives
 - 10 Ft Single-side expandable Rigid Shelter
 - Single-Source Heater
 - Liners
- Initiative partners include...
 - Small Business Initiatives Research (SBIR)
 - Office of Naval Research (ONR)
 - Marine Corps War-fighting Lab (MCWL)
 - Panama City
 - Natick



QUESTIONS?